

Dimock Groundwater Site – Summary of Lab Efforts

1/6/2012

Analytical Parameters

Table 1 from Sampling Plan is in-progress. Latest version is on I: directory

R3 lab – Metals, VOAs, SVOCs, Anions, TP, NO₂/NO₃, TDS/TSS, Alk, Glycols, Alcohols, O&G

R3 lab – Assessing LC/MS/MS capability to analyze in ppb range for ethylene glycol and 2-methoxyethanol; Assessing GC/MS (SVOCs) to add 1-methylnaphthalene

R9 lab – GRO/DRO, dissolved gases (methane/ethane)

R2 lab – MBAS

R6 lab – backup and tech assistance for alcohols

NAREL – Rad, issue with Rn222 in DW

Techlaw/T4 – micro, ISOTECH methods.

Glycol/Alcohol Issues

LC/MS/MS – currently cannot see ethylene glycol and may have issue with 2-methoxyethanol. Jennie is shooting standard for 2-methoxyethanol on Monday and continuing work on ethylene glycol.

GC/FTIR – method 8430 includes ethylene glycol so Sue G is testing with standard today

GC/FID – method 8015 – Adam will test the two on GC/FID for presence

GC/MS – 1-methylnaphthalene standard being ordered. Eric is testing to see if can run as 8270. Eric is also shooting a standard for 2-methoxyethanol on Monday. Extra acrylonitrile standard for VOAs was also ordered.

Data/Reporting

Need to discuss with Rich the data/reporting needs. We are prepared to generate SEDD deliverables which would be consistent for all labs.

Would like R3 lab to be the hub for regional lab support – central location for data packages and communication; samples can be shipped directly to labs by field contractor; contact and address information being compiled today.

Coolers/Bottles

R3 lab can provide some coolers to use for this project but probably don't have enough supply of bottles without further purchases.